YAMAHA

HTR-6140BL

5.1-Channel Digital Home Theater Receiver

NEW PRODUCT BULLETIN

High-Performance Home Theater Receiver offering many advanced functions including 1080p-compatible HDMI, XM and SIRIUS Satellite Radio ready, iPod and Bluetooth compatibility, CINEMA DSP, YPAO sound optimization, and four SCENE buttons.

1 Advanced Features

- 4 SCENE buttons offering greater operating ease (with 17 preset SCENE templates)
- XM ready with XM HD Surround powered by Neural Surround
- SIRIUS Satellite Radio ready
- YPAO for automatic speaker setup
- iPod compatibility via Yamaha Universal Dock
- Bluetooth (A2DP) compatibility with Yamaha Bluetooth® Wireless Audio Receiver (YBA-10)
- Front panel mini jack for connecting portable audio player
- On-screen display with iPod song title display

2 High Sound Quality

- 5-channel 525W powerful surround sound (105W x 5)
- Direct mode for high quality sound reproduction
- Burr-Brown 192kHz/24-bit DACs used in all channels

3 High Picture Quality

- 1080p-compatible HDMI (2 in/1 out) including 1080p/24Hz repeat
- HDTV compatible component video terminals (3 in/1 out)

4 Surround Realism

- CINEMA DSP with 8 DSP programs
- Compressed Music Enhancer to improve compressed music sources
- Night Listening Enhancer (Cinema/Music) and SILENT CINEMA

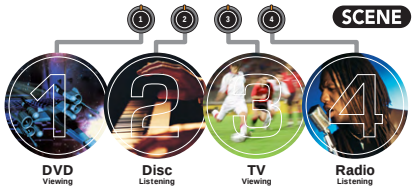
8 CINEMA DSP Programs	
Compatible Decoder Straight	
	Dolby Digital
	DTS Digital Surround
	Dolby Pro Logic
	Dolby Pro Logic II Music
	Dolby Pro Logic II Movie
	Dolby Pro Logic II Game
	Neural Surround
CINEMA DSP Programs	
MUSIC	Pop/Rock
	Hall
	Jazz
ENTERTAINMENT	Game
	TV Sports
MOVIE	Movie Spacious
	Movie Dramatic
STEREO	5ch Stereo
CINEMA DSP Program Total	**8**

HTR-6140BL 5.1-Channel Digital Home Theater Receiver

Advanced Features

SCENE — Greater Operating Ease

Four SCENE buttons make operating the receiver easier than ever. Pressing a SCENE button automatically turns the power on and launches a number of operations that initiate play of the source controlled by that button. Many SCENE settings are available, such as Dock Listening, DVD Viewing, Radio Listening and Game Playing. Browsing and selecting the settings is quickly accomplished by rotating the Input knob and watching the on-screen display. The SCENE names can be changed also.



XM Satellite Radio Ready with XM HD Surround Powered by Neural Surround

This receiver is XM Satellite Radio Ready, allowing you to hear over 170 digital channels of music, news, sports, talk and entertainment. To get XM Satellite Radio the XM Mini-Tuner and Home Dock including home antenna are required.

This receiver is also capable of receiving XM Satellite Radio with XM HD Surround powered by Neural Surround.

SIRIUS Satellite Radio Ready

The HTR-6140BL is also ready to receive SIRIUS satellite radio. SIRIUS brings your favorite entertainment straight into your home, including 100% commercial-free music, plus superior sports coverage, uncensored talk and comedy, exclusive entertainment, world-class news and more.

YPAO for Automatic Speaker Setup

The HTR-6140BL uses Yamaha's YPAO system that quickly and automatically analyzes the acoustics of the room and adjusts various speaker parameters to provide the optimum sound at the listening position. It's like having a professional audio engineer set up and tweak your system.

Initial Volume and Maximum Volume

Two volume settings are included on this receiver for additional convenience. Initial Volume Setting allows you to set the volume level that will be heard each time the power is turned on. Maximum Volume Setting prevents unexpected loud sounds, for example if a young child turns the volume knob.

High Sound Quality

Direct Mode

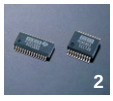
You can enjoy pure HiFi sound from 2-channel PCM and analog sources by the Direct mode which allows signals to bypass the decorders and DSP processors.

High Dynamic Power Capability

The HTR-6140BL receiver is capable of delivering large amounts of reserve power for accurate reproduction of the high energy peaks that are especially prevalent in digital audio sources. This prevents clipping and emphasizes the music's dynamic qualities.

Audio-Grade Parts and Devices

The HTR-6140BL offers the latest and best technologies, parts and circuit designs to maximize sound quality. These include custom-made block capacitors (1), high grade Burr-Brown DACs and ADC (2) and other high quality audio-grade parts.



High Picture Quality

1080p-Compatible HDMI (2 In/1 Out)

This receiver features dual HDMI inputs and one output that support 1080p resolution so users can connect two HDMI sources, such as a DVD player and a high definition set-top box, and enjoy the highest possible quality with a 1080p display. With 1080p/24Hz signal repeating, you can enjoy the full potential of Blu-ray discs.

HDTV Compatible Component Video Terminals (3 In/1 Out)

Component Video inputs offer higher picture quality, for use with units such as DVD players that have Component Video output. You can enjoy three different sources without having to change connections. The frequency response of the component video signal is 5Hz – 60MHz, making it compatible with HDTV (1080i/720p).

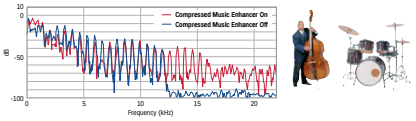
Surround Realism

CINEMA DSP with 8 DSP Programs

You have a choice of eight unique Yamaha CINEMA DSP surround programs to bring out the full audio potential of your entertainment sources.

Compressed Music Enhancer

When music is encoded in a digital compressed format such as MP3, frequency response suffers in the high and low ranges. Yamaha employs sophisticated digital signal processing with exclusive algorithms, enabling faithful reproduction of the original music, for excellent sound quality.



The Compressed Music Enhancer restores the original, live sound of your music, especially deep, strong sounds like bass and drums.

Night Listening Enhancer and SILENT CINEMA

The Night Listening Enhancer offers two modes, Cinema and Music, with three-level selectability, which will ensure that you don't miss movie dialogue or quiet passages, or lose overall surround spaciousness even during low volume listening late at night.

The SILENT CINEMA mode allows private listening enjoyment of multi-channel music or movies, with an accurate simulation of surround sound, through ordinary headphones.

Other Notable Features

- 40-station preset tuning / Auto preset tuning
- HD Audio LPCM 5.1-channel reception (up to 96kHz)
- iPod song titles displayed in English and Western European languages ISO 8859-1 (Latin 1) on the front panel and on-screen display
- Virtual CINEMA DSP
- Audio Delay for adjusting lip-sync (0–160ms)
- 9 selectable subwoofer crossover frequencies
- Subwoofer phase select
- Dolby Digital, DTS and Dolby Pro Logic II decoding
- Front panel Video Aux input with mini jack
- Subwoofer out
- 6-channel external input
- Speaker A or B selection
- Preset remote unit

Yamaha Bluetooth® Wireless Audio Receiver

The YBA-10 Bluetooth Audio Receiver docks to the receiver and supports A2DP audio streaming, so users can enjoy music wirelessly from Bluetooth-enabled mobile phones, Windows PCs and Macs.

Bluetooth®

Yamaha Universal Dock for iPod

The optional Yamaha Universal Dock lets you connect your iPod to the receiver.

iPod not included

Made for iPod

Inputs		
	HDMI	2
	XM / SIRIUS Satellite Radio Terminal	1 / 1
	Dock Terminal (for iPod / Bluetooth)	1
	Optical Digital (Fixed and Assignable)	2
	Coaxial Digital (Fixed and Assignable)	1
	Analog A/V / Audio*	4 / 2
	Component Video	3
	Multi-Channel External Input	6 ch

Outputs		
	HDMI	1
	Analog A/V / Audio	1 / 1
	Component Video Monitor	1
	Composite Monitor	1
	Speaker (without subwoofer)	5 ch / 7 ter.
	Subwoofer	1

* Including front panel Video Aux terminals.

Main Specifications

Minimum RMS Output Power (8 ohms, 1 kHz, 0.9% THD)	
Front L/R Channels	105 W/ch
Center Channel	105 W
Surround L/R Channels	105 W/ch
Dynamic Power (1 kHz)	
8/6/4/2 ohms	110/130/160/180 W
Frequency Response	10 Hz–100 kHz +0, -3 dB
Total Harmonic Distortion (CD, Front Sp Out)	
(1 kHz, 50 W/8 ohms)	0.06%
Signal-to-Noise Ratio (CD)	100 dB (250 mV)
Monitor Out Frequency Response	
Component Video Signal	5 Hz–60 MHz -3 dB
Dimensions (W x H x D)	$17^{1}/_{8}$" x $5^{15}/_{16}$" x $13^{7}/_{8}$"
	435 x 151 x 352 mm
Weight	18.7 lbs.; 8.5 kg

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